

FIG. 1

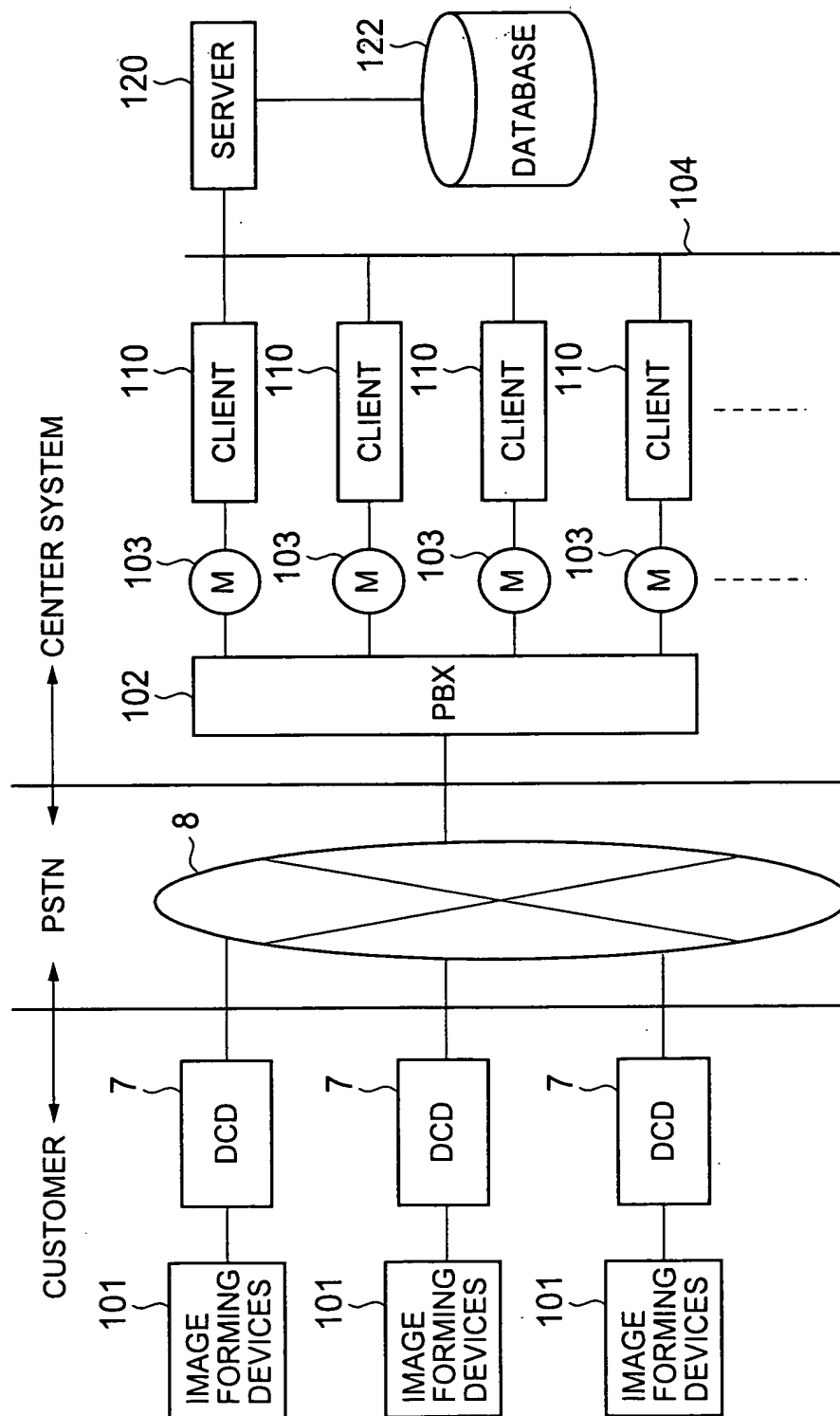
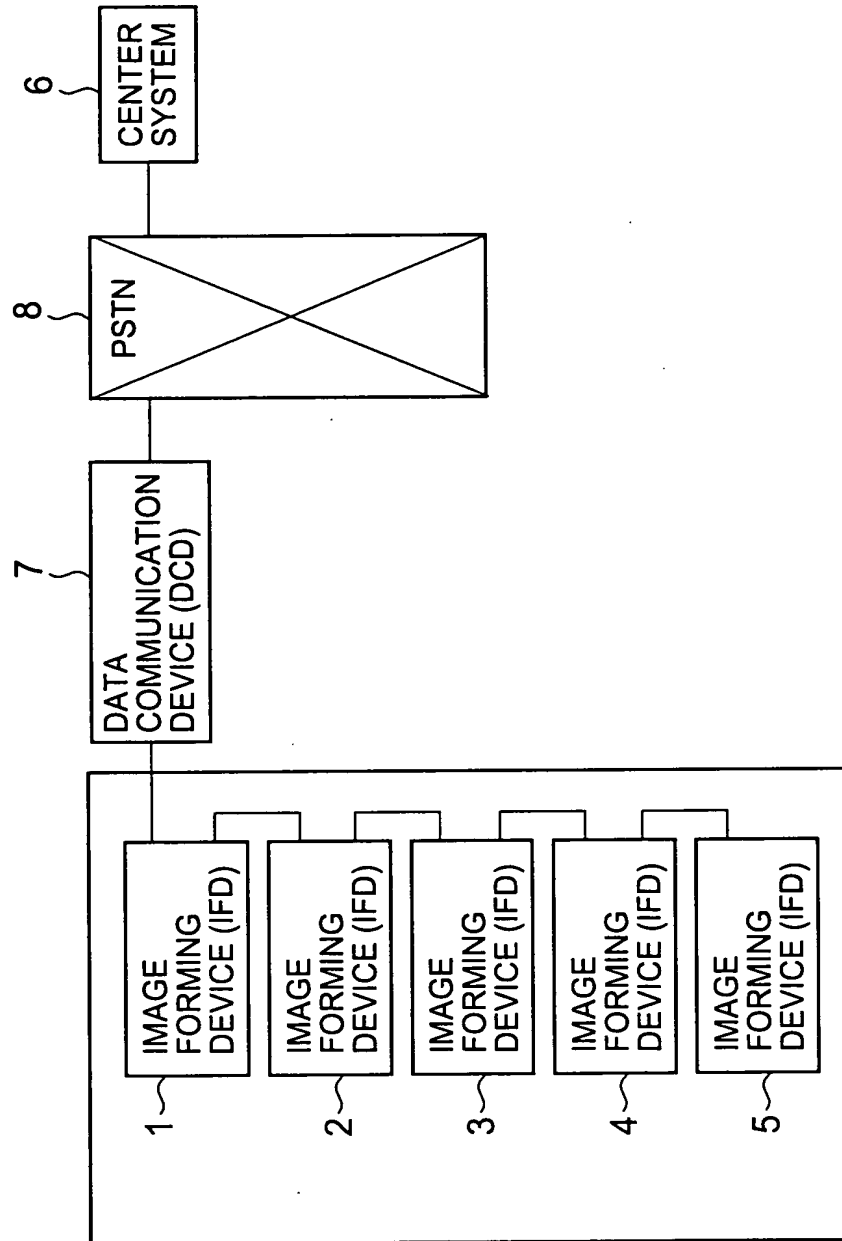


FIG.2



521

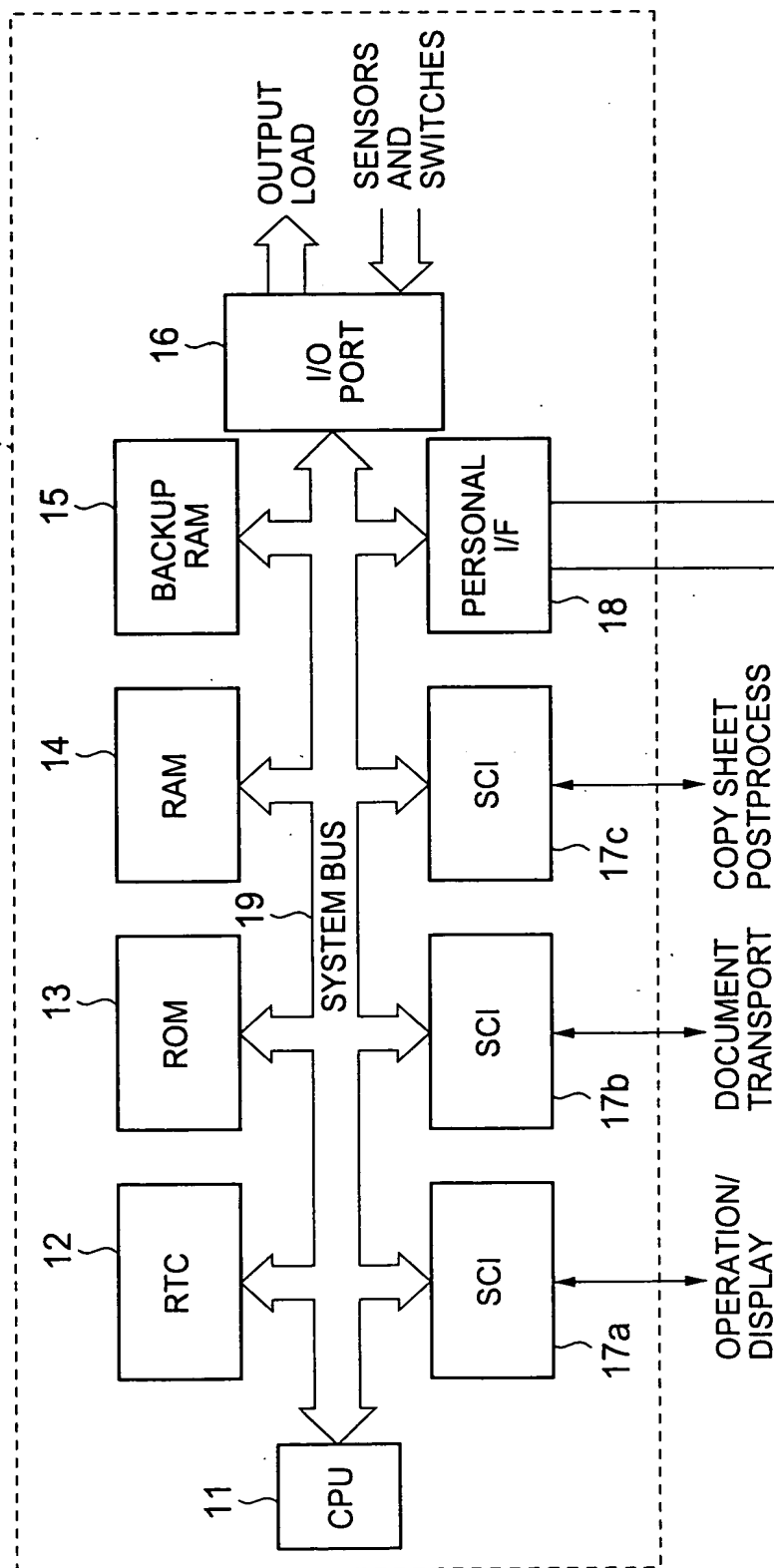


FIG. 4

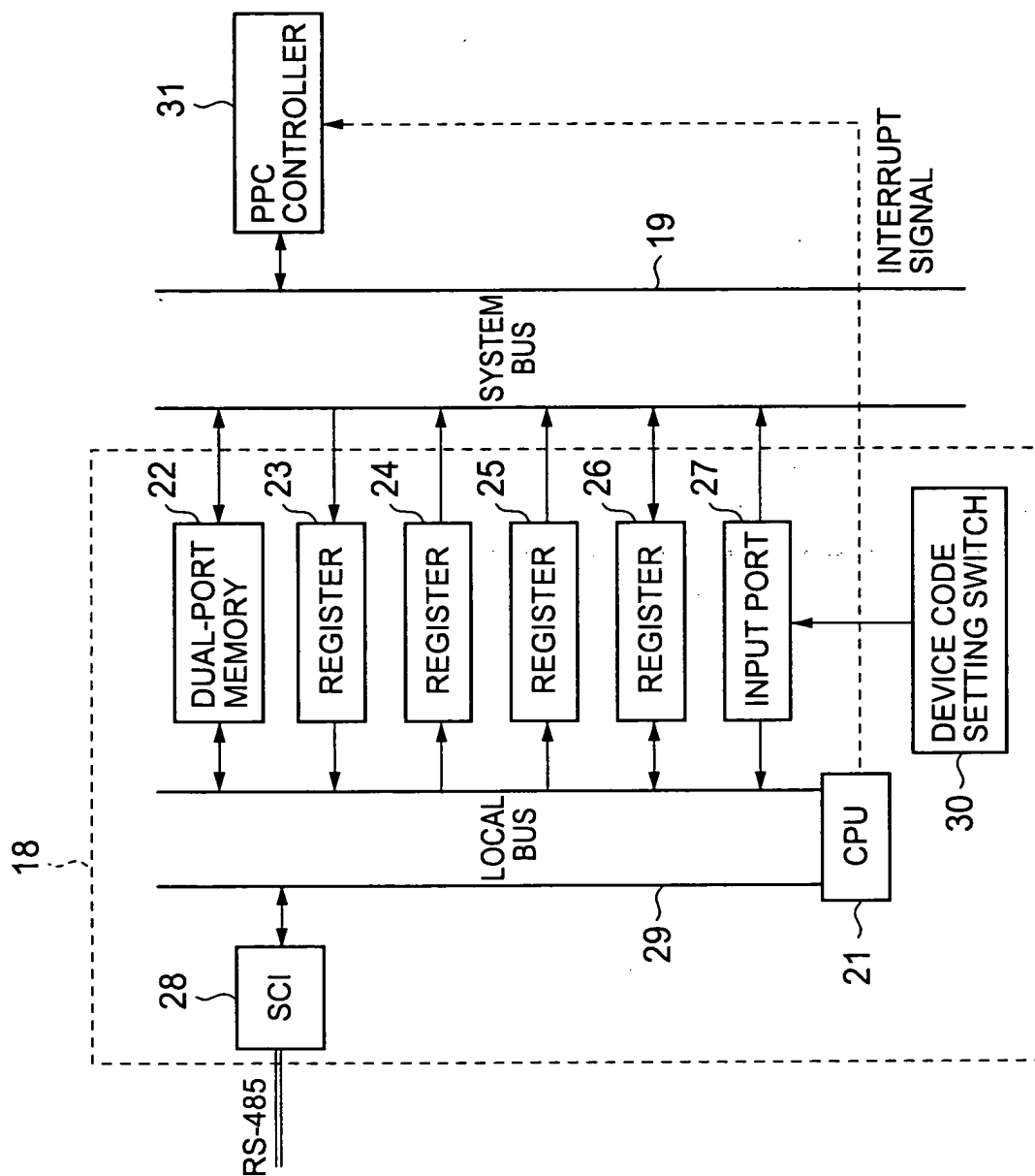
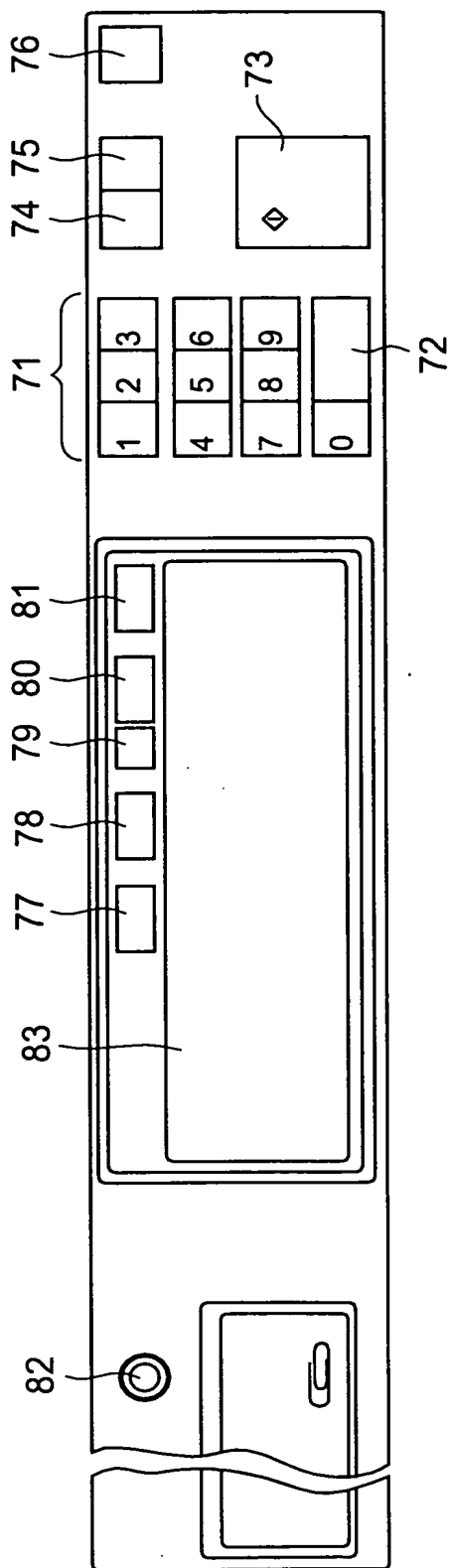


FIG. 5



SORTER	STAPLE	DUAL	SCALING		READY					1				
SORT	STAPLE	DUAL	SCALING	93%	A3 → B4	A4 → B5	B4 → A4	B5 → A5	A3 → A4	A4 → B5	A3	B4	B5	ASF
				87%	A3 → B4	A4 → B5	B4 → A4	B5 → A5	A3 → A4	A4 → B5	A3	B4	B5	ASF
				82%	A3 → B4	A4 → B5	B4 → A4	B5 → A5	A3 → A4	A4 → B5	A3	B4	B5	ASF
STACK	STAPLE	DUAL	SCALING	71%	A3 → B4	A4 → B5	B4 → A4	B5 → A5	A3 → A4	A4 → B5	A3	B4	B5	ASF
				71%	A3 → B4	A4 → B5	B4 → A4	B5 → A5	A3 → A4	A4 → B5	A3	B4	B5	ASF

FIG. 7

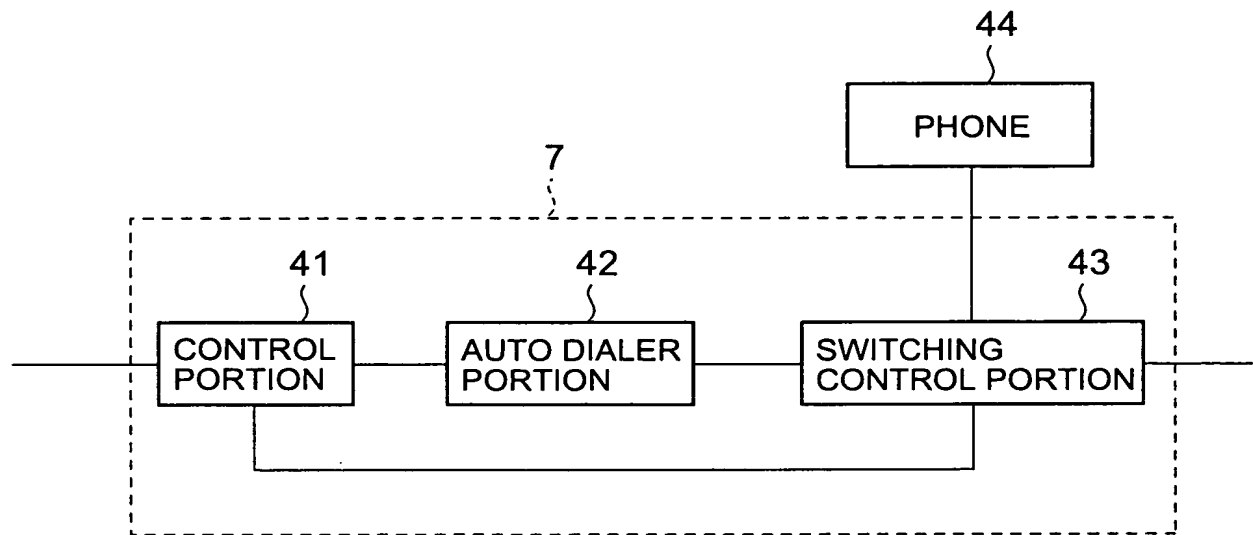


FIG. 8

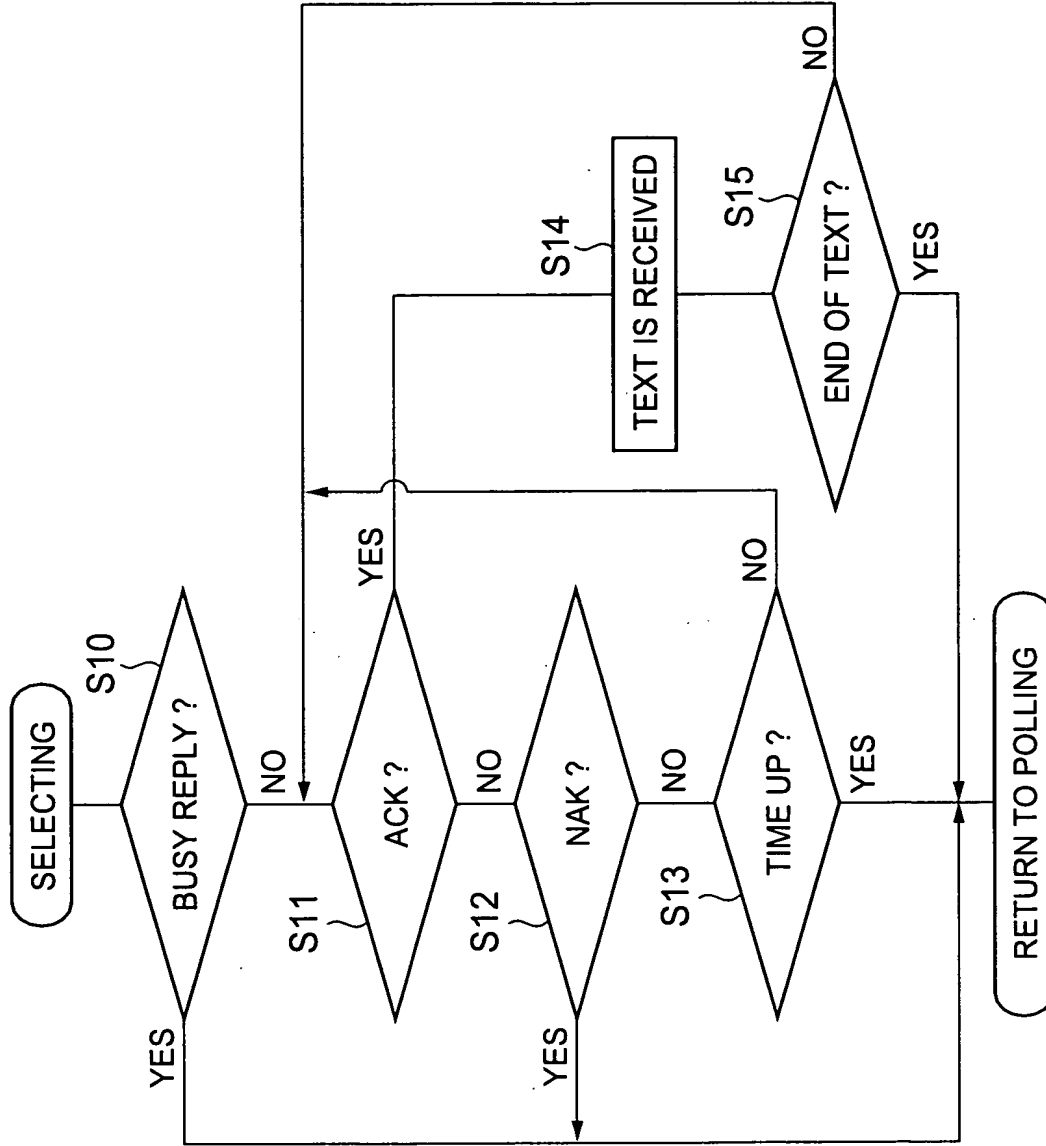


FIG. 9

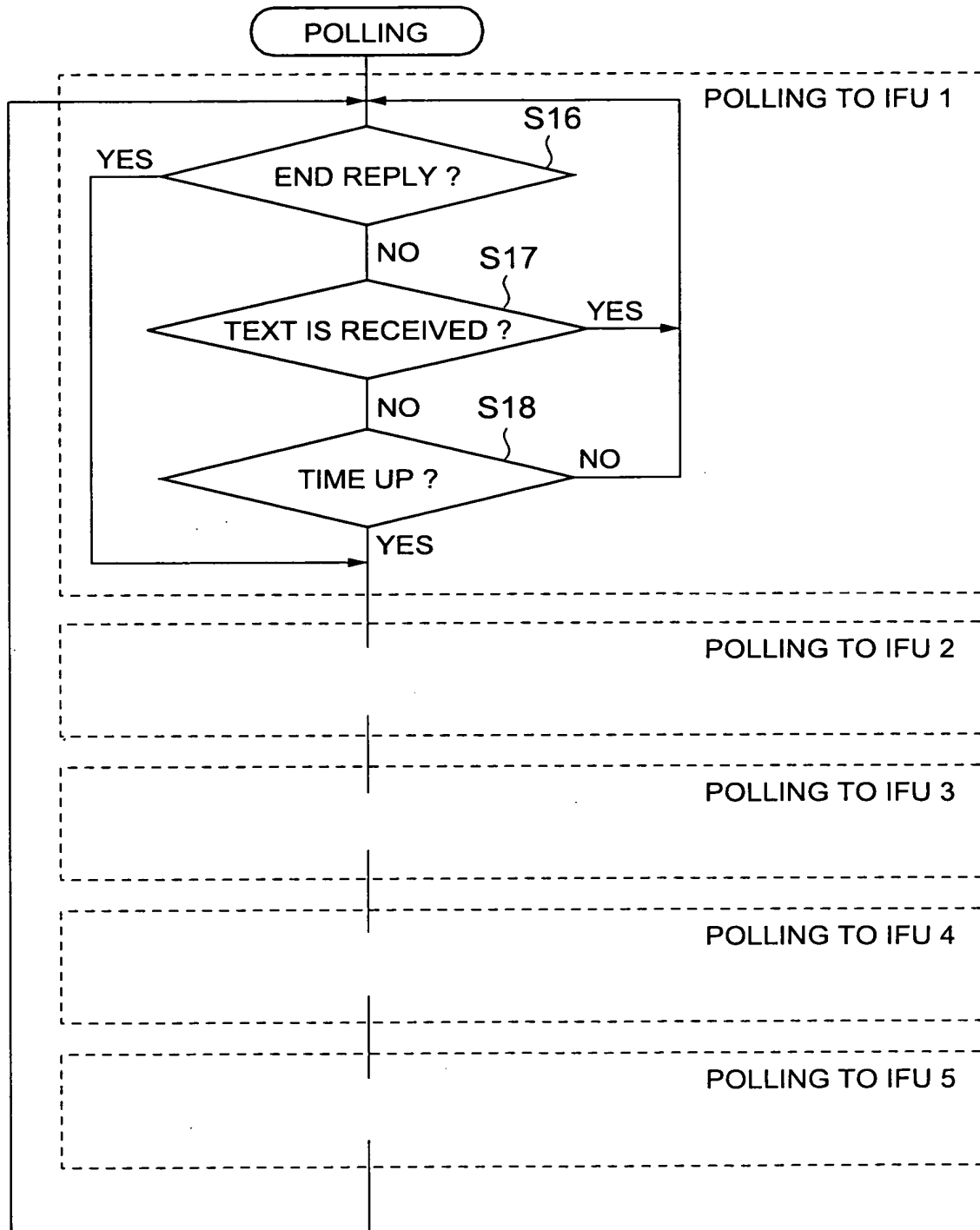


FIG.10

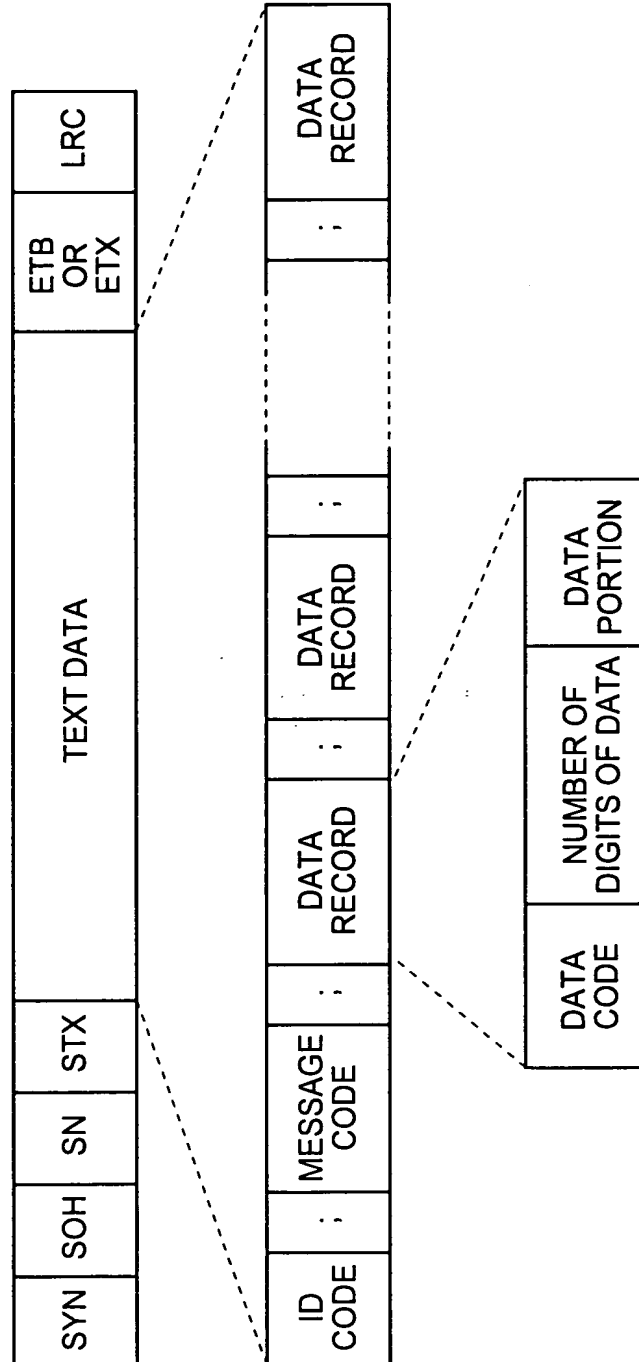


FIG. 11

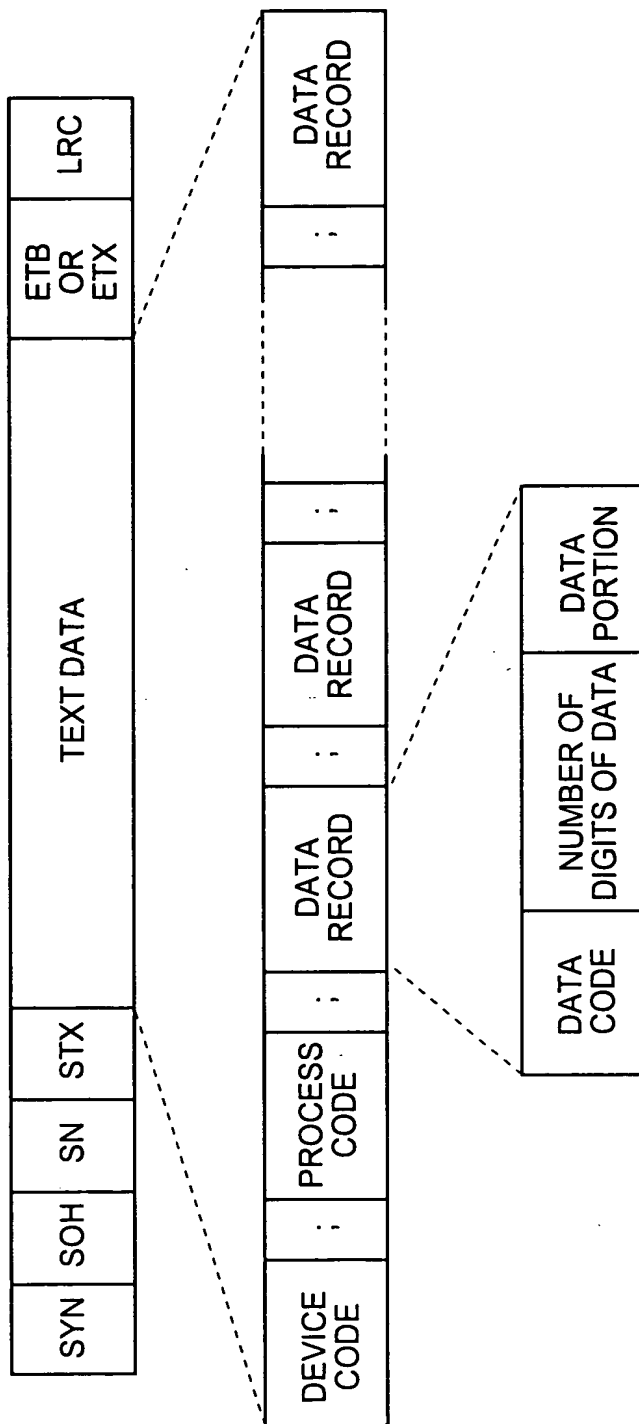


FIG.13

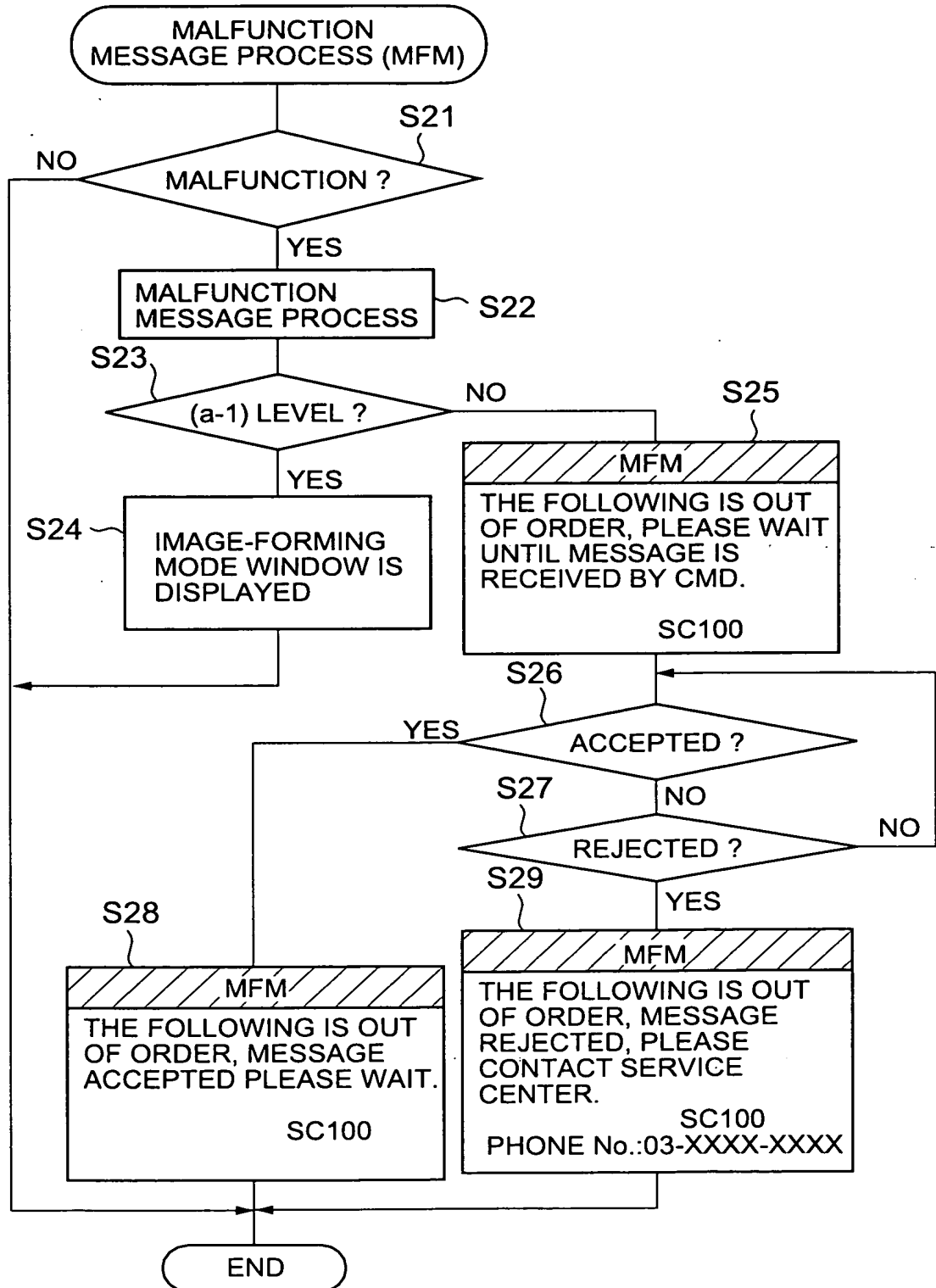


FIG. 14

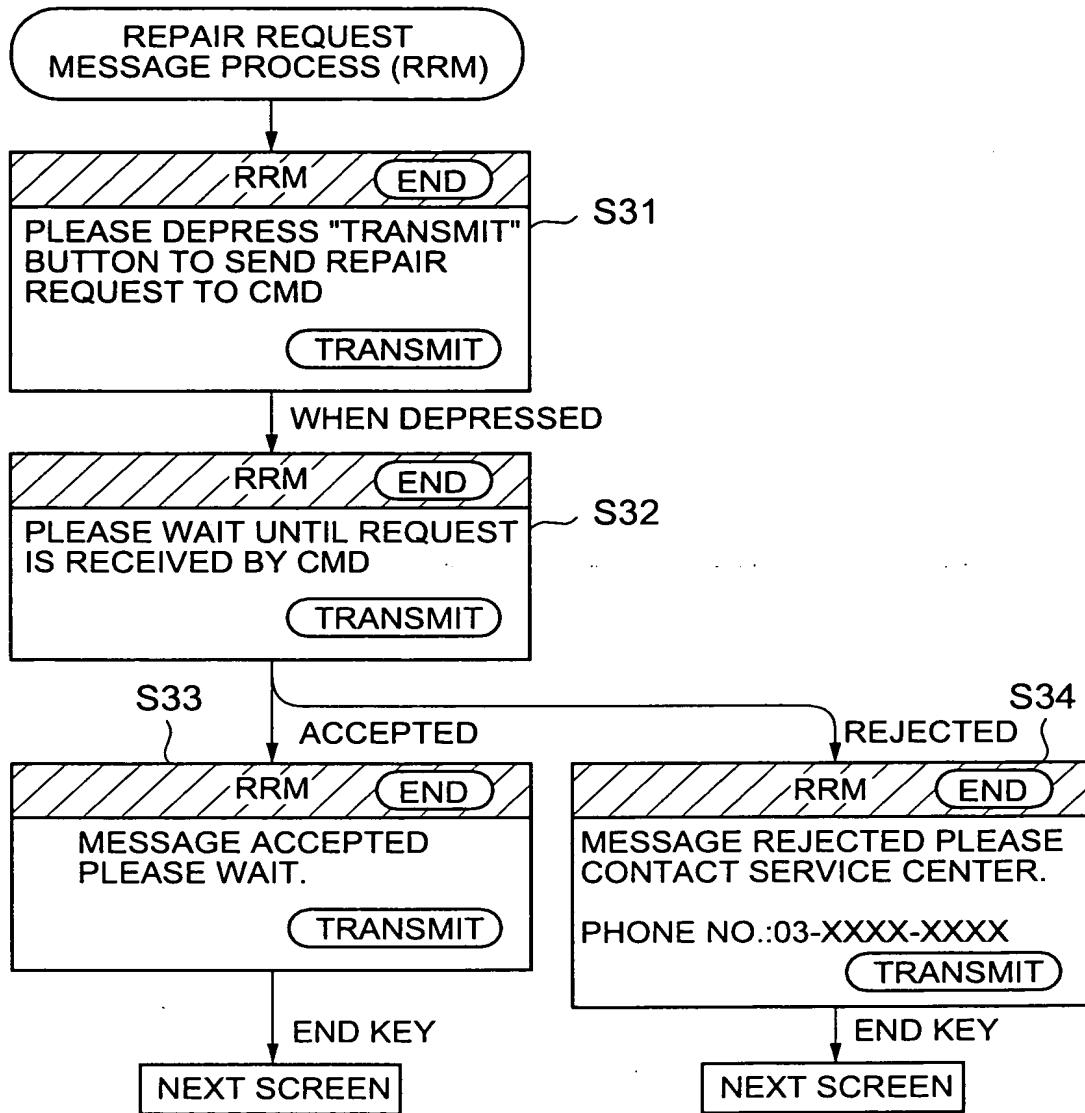


FIG. 15

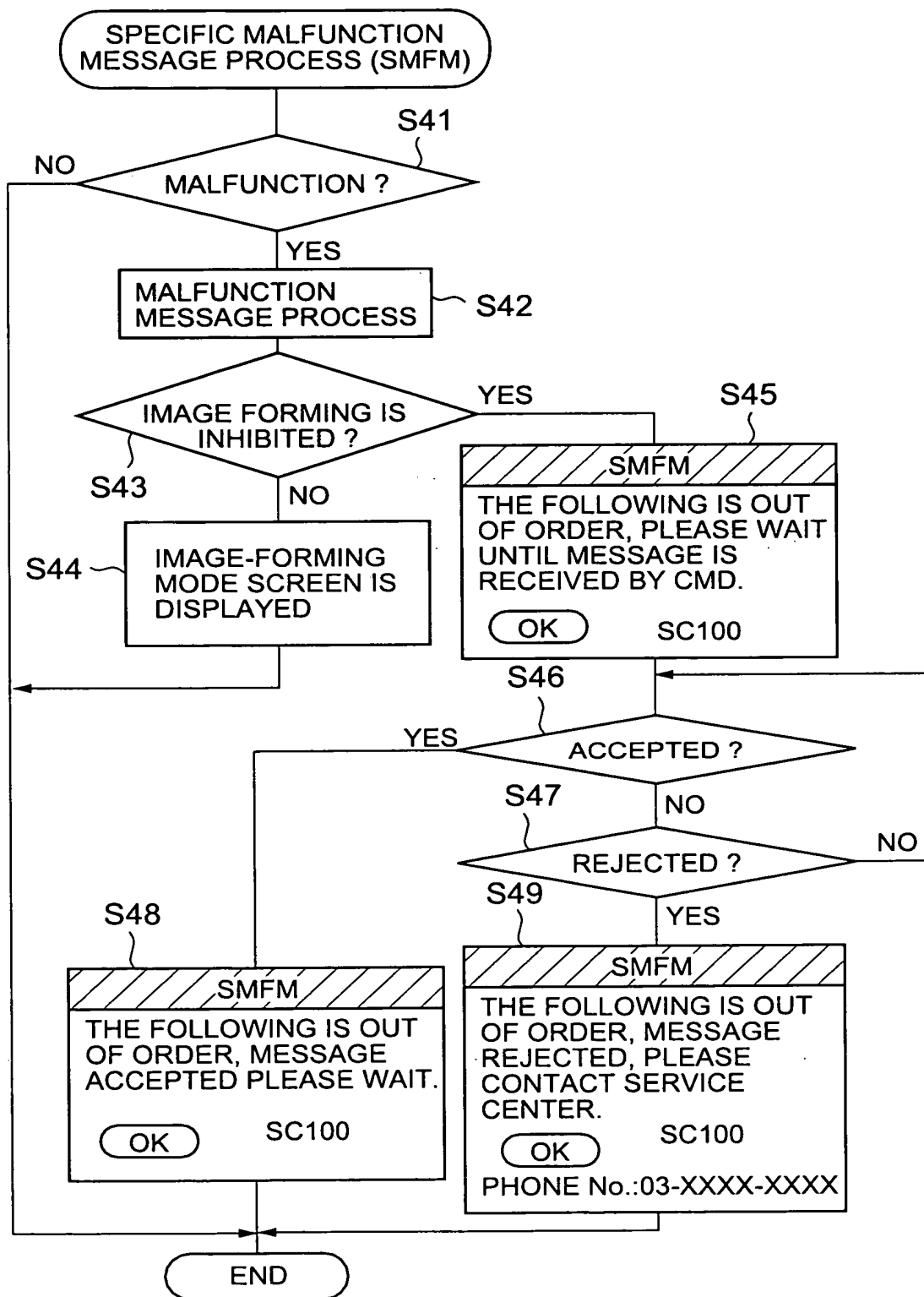


FIG. 16

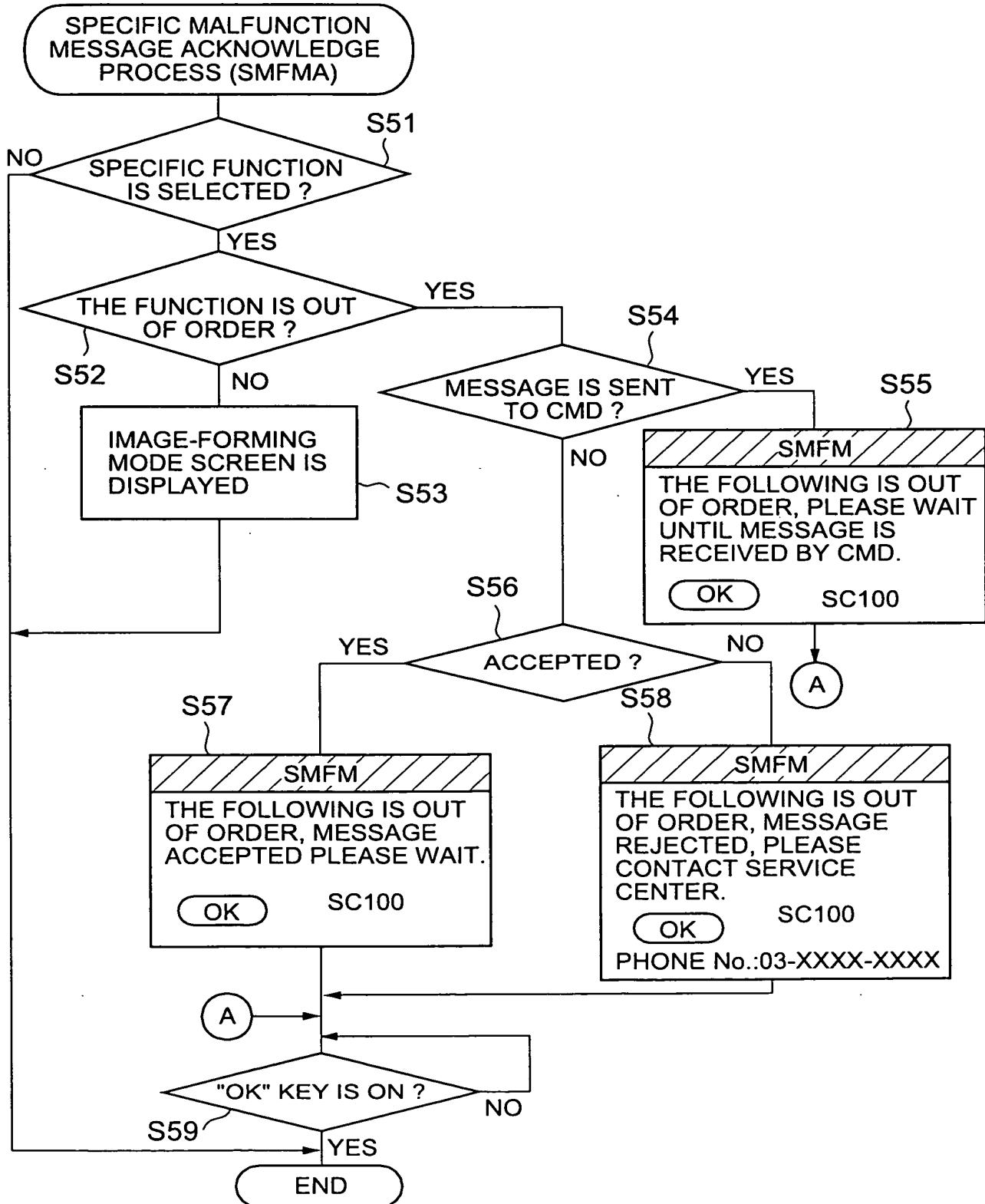


FIG. 17

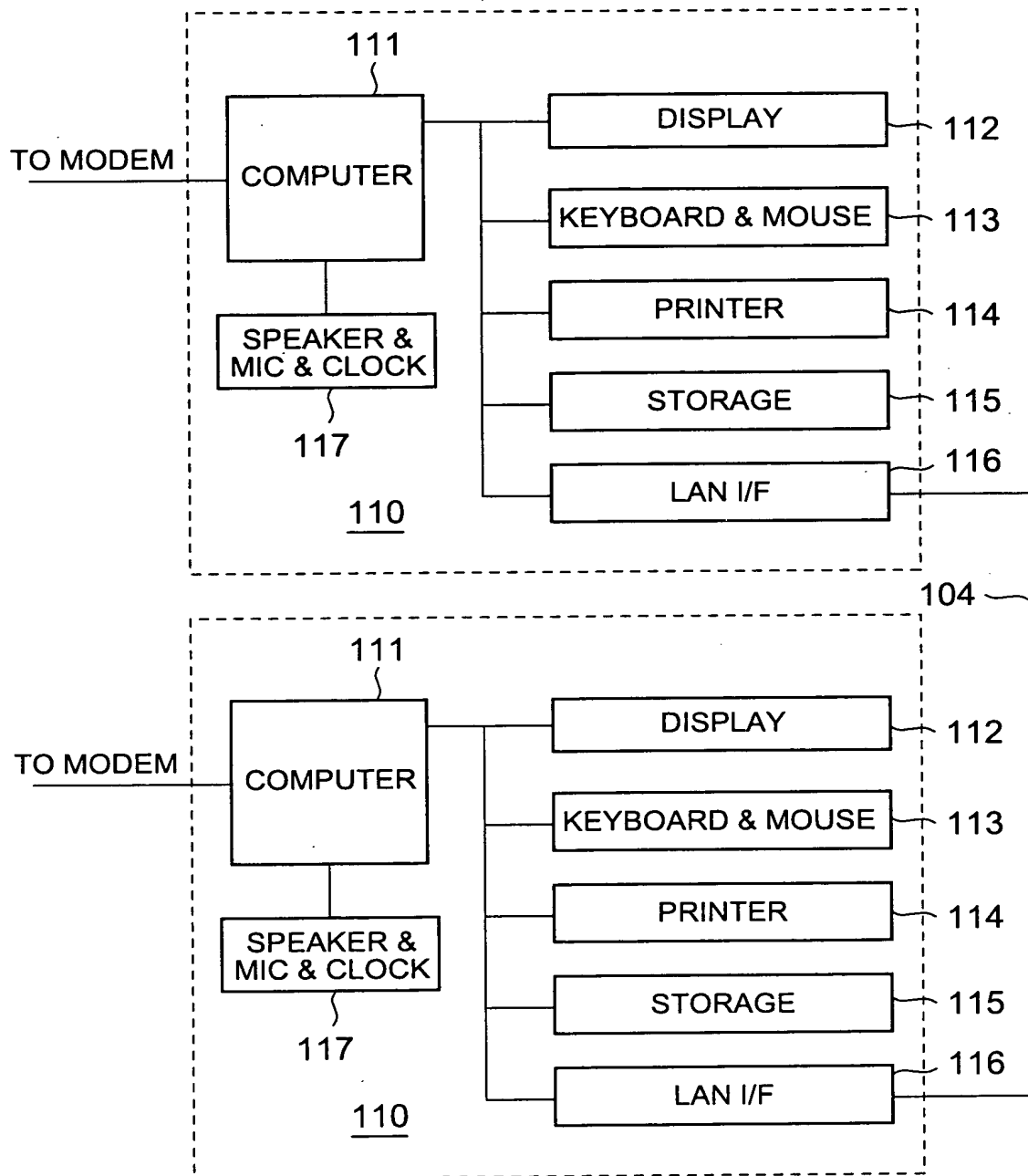
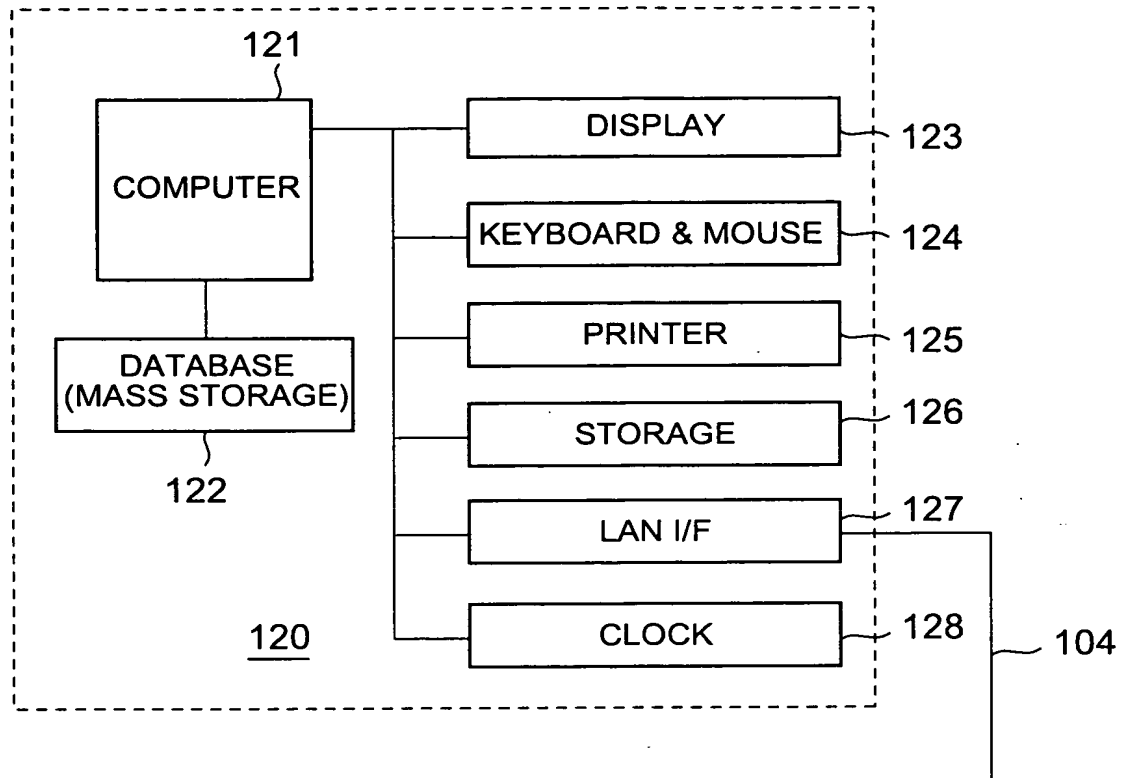


FIG. 18



MAIN DATA FILE

[illegible]

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 10

FIG. 20

CUSTOMER DATA FILE

[illegible]

00000000000000000000

FIG.21

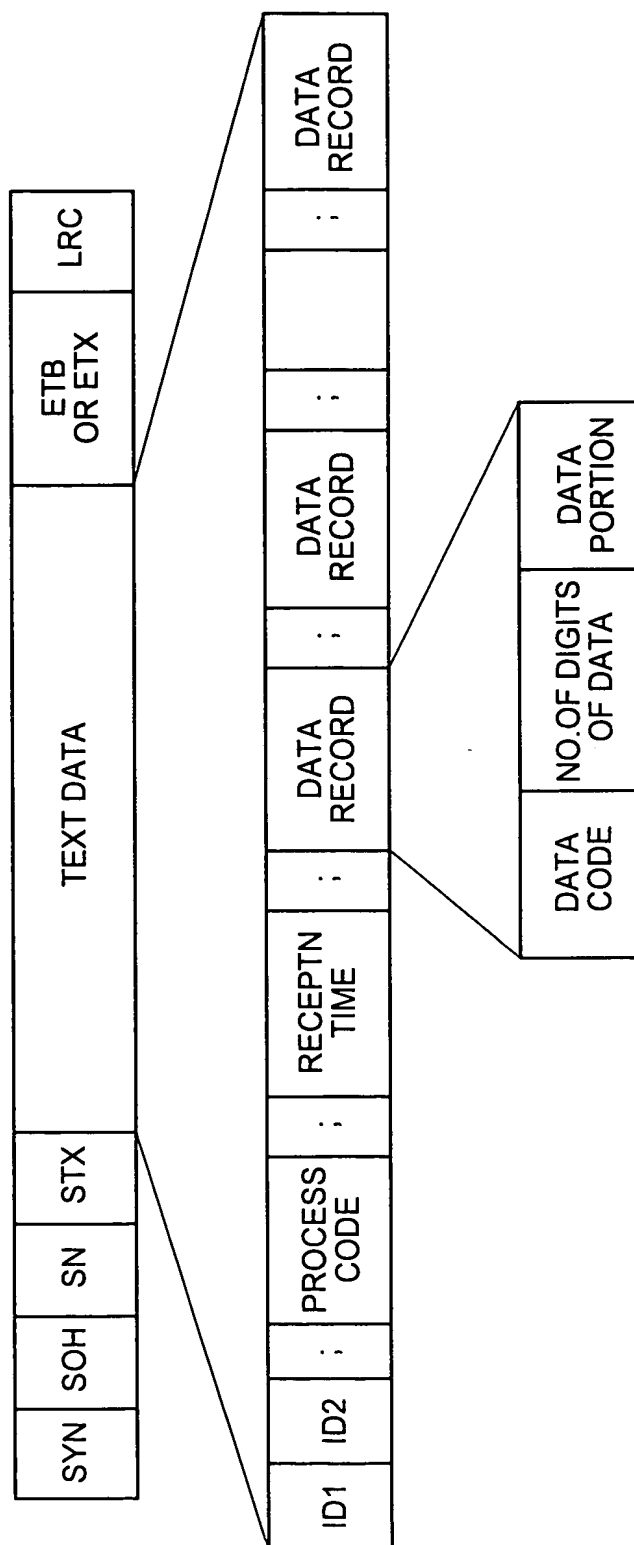
MACHINE DATA FILE

SEQ	MACHINE TYPE	MACHINE ID	DELIVERY DATE	MACHINE COMPOSITN	ERROR RECORD	REPAIR RECORD	MACHINE RECORD	DESIGN DATA	OTHER
001	AAAA	AA01	96/1/10	112340	97/10/1 F/R JAM.	97/102 SENSOR	TL:12300,JAM:20		
002	BBBB	BB01	97/1/10	120000			TL:12400,JAM:40	97/5/1 DESIGN CHANGE	
003	AAAA	AA02	97/1/22	112000			TL:33300,JAM:10		
004	CCCC	CC01	96/10/10	120000			TL:1240,JAM:20		
005	AAAA	AA03	96/9/10	112340	97/10/1 SC200	97/10/2 F/R	TL:22300,JAM:40		
006	DDDD	DD01	97/1/10	100000			TL:1230,JAM:5	97/9/1 DESIGN CHANGE	
007									
008									
009									

FIG.22

DETAILED MACHINE DATA FILE

SEQ	MACHINE TYPE	MACHINE ID	RECEPTN DATE	ITEM	ORIGINAL DATE	MACHINE RECORD (COUNTER)	MACHINE RECORD (DESIGN)	OTHER
001	AAAA	AA01	96/1/10 10:20	F/R JAM	96/1/10 10:10	TL:12300,JAM:20	F/TEMP;180,D/CURR;10	ROMVer1.02
002	BBBB	AA03	97/1/10 20:10	SC200	97/1/10 20:00	TL:12400,JAM:40	F/TEMP;182,D/CURR;11	ROMVer1.04
003	CCCC	CC01	97/9/22 01:10	JAM ALM	97/9/21 09:10	TL:33300,JAM:10	F/TEMP;178,D/CURR;9	ROMVer1.12
004	DDDD	DD01	96/9/25 15:20	SC400	96/9/25 15:10	TL:1240,JAM:20	F/TEMP;185,D/CURR;15	ROMVer2.02
005								
006								
007								
008								
009								

[illegible]

008000-999999

FIG.24

MENU

SQ No CUSTOMER NAME MACHINE TYPE DATA TYPE RECEIPTN TIME ORDER TIME STATUS

516 AAA AAAA 100 13:00

515 BBB BBBB 200 12:50 IN PROCESS (X)

514 CCC CCCC 100 12:48 IN PROCESS (Y)

513 DDD BBBB 300 12:30 12:33 ORDER (Z)

512 EEE AAAA 500 12:10 12:15 ORDER (Y)

511 FFF BBBB 200 11:50 11:52 ORDER (X)

00000-999999

FIG. 25

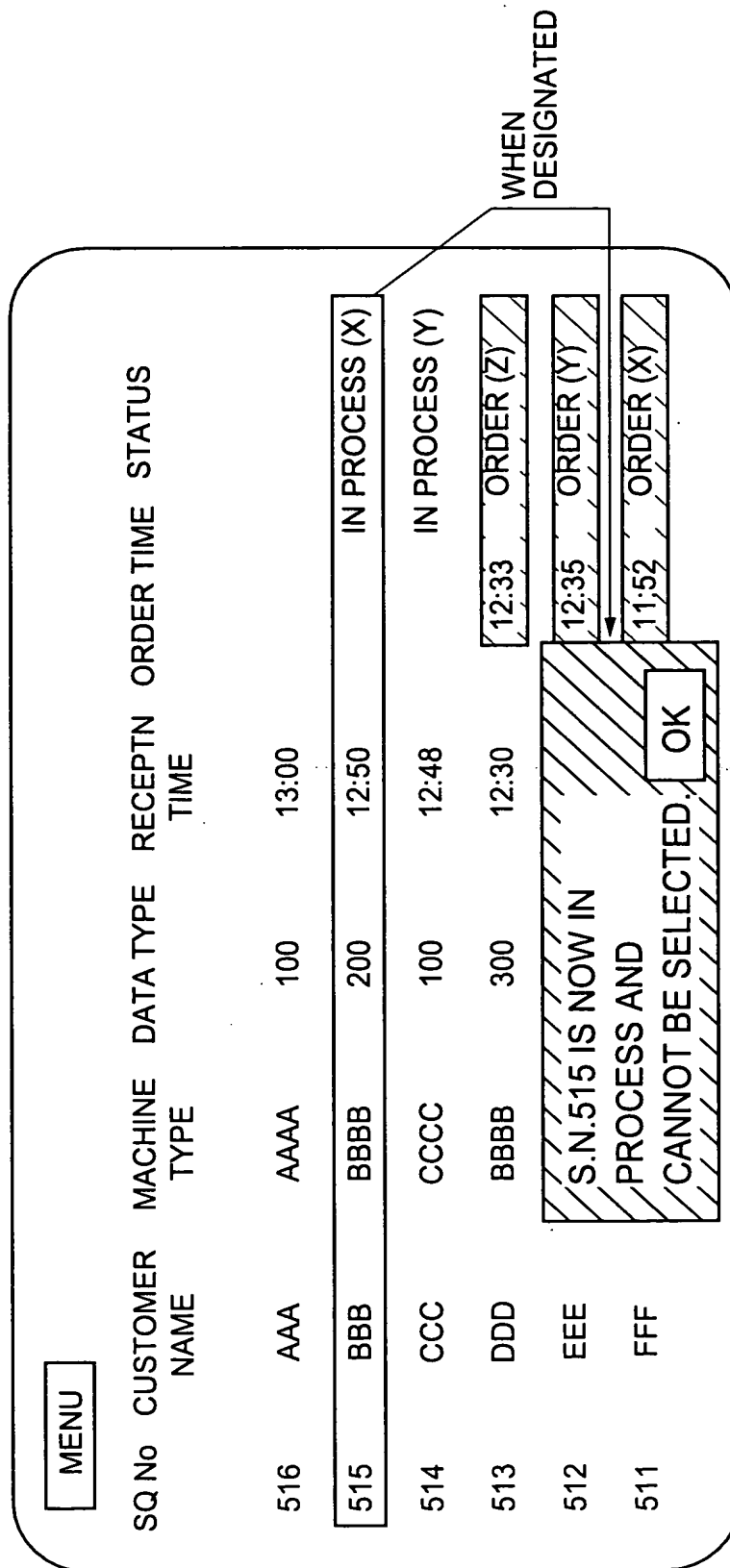


FIG. 26

MENU

SQ No	CUSTOMER NAME	MACHINE TYPE	DATA TYPE	RECEPTN TIME	ORDER TIME	STATUS
516	AAA	AAAA	100	13:00		
515	BBB	BBBB	200	12:50		IN PROCESS (X)
514	CCC	CCCC	100	12:48		IN PROCESS (Y)
513	DDD	BBBB	300	12:30	12:33	ORDER (Z)
512	EEE				12:15	ORDER (Y)
511	FFF				11:52	ORDER (X)

THIS ITEM WAS ORDERED

OK

RUN

WHEN DESIGNATED

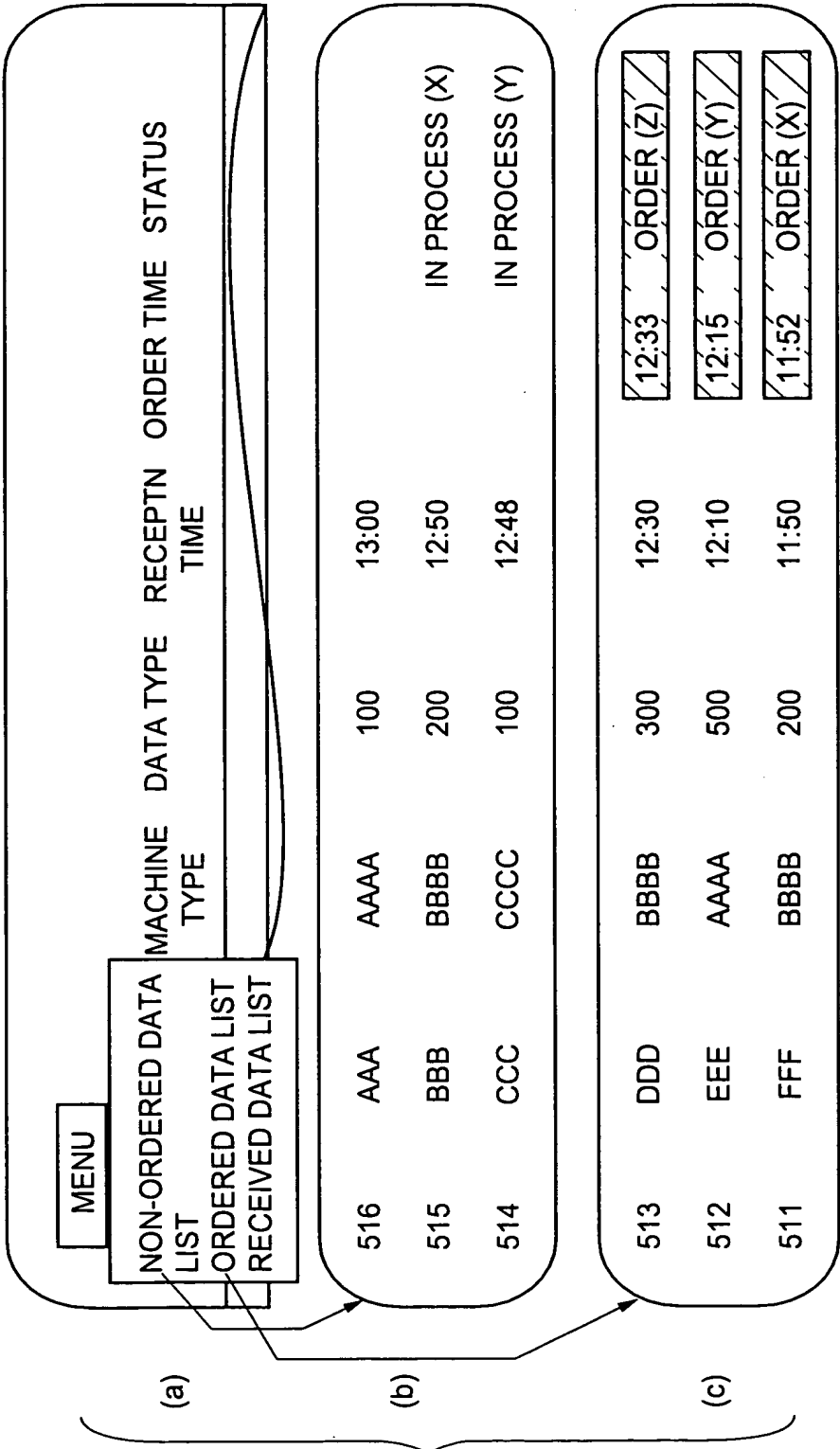


FIG. 27

FIG. 28

MENU

SN	CUSTOMER NAME	MACHINE TYPE	DATA TYPE	RECEPTN TIME	ORDER TIME	STATUS
316	GGG	BBBB	500	11:00		IN PROCESS (Z)
315	HHH	GGGG	200	10:50	09:30	ORDER (X) No. 299

314

313

312

311

DUPLICATE DATA LIST

SN	DATA TYPE	RECEPTN TIME	ORDER TIME
315	200	10:50	
300	200	09:40	
299	100	09:28	09:30

THERE IS ORDERED DATA

OK

IN PROCESS (Y)

10:30

10:44

11:01

ORDER (Z)

ORDER (Y)

ORDER (X)

WHEN DESIGNATED

FIG. 29

No.	ITEMS	SETTINGS	REMARKS
1	MACHINE TYPE AND ID	EEE-EE01	
2	TOTAL COPY COUNT1	123456	
3	TOTAL COPY COUNT2	1500	
4	TOTAL COPY COUNT3	3000	
5	TOTAL COPY COUNTn	1000	
6	TOTAL COPY COUNT1(PRIOR MONTH)	110456	
7	TOTAL COPY COUNT2(PRIOR MONTH)	1000	
8	TOTAL COPY COUNT3(PRIOR MONTH)	2000	
9	TOTAL COPY COUNTn(PRIOR MONTH)	800	
10	TOTAL COPY COUNT1(AVERAGE)	13000	
11	TOTAL COPY COUNT2(AVERAGE)	500	
12	TOTAL COPY COUNT3(AVERAGE)	1000	
13	TOTAL COPY COUNTn(AVERAGE)	200	

FIG. 30

No.	MACHINE TYPE	MACHINE ID	MONTHLY DEADLINE DATE	NORMAL MESSAGE DATE	CALL BY DCD
1	FFF	FF01	5	4	YES
2	EEE	EE01	15	14	YES
3	DDD	DD01	15	14	YES
4	CCC	CC01	5	4	YES
5	BBB	BB01	20	19	YES
6	AAA	AA01	15	14	YES
	:	:	:	:	:
n	AAA	AA02	15	14	NO

FIG. 31

No.	MACHINE TYPE	MACHINE ID	MONTHLY DEADLINE DATE	NORMAL MESSAGE DATE	CALL BY DCD
1	EEE	EE01	15	14	YES
2	DDD	DD01	15	14	YES
3	BBB	BB01	20	19	YES
4	AAA	AA01	15	14	YES
	:	:	:	:	:
n	AAA	AA02	15	14	NO

FIG.32

No.	MACHINE TYPE	MACHINE ID	MONTHLY DEADLINE	DATE OF RECEIPTN	TAG	TIME OF RECEPTN	STATE	CALL BY DCD	NO.OF CALLS	USAGE DATA1	USAGE DATA2	USAGE DATA3	USAGE DATA4
1	EEE	EE01	15	6	SET		NO ERROR	YES	1	123456	1500	3000	1000
2	DDD	DD01	15	6	SET		NO ERROR	YES	1	120056	5000	6500	2000
3	BBB	BB01	20		SET								
4	AAA	AA01	15		SET								
	:	:	:		SET								
n	AAA	AA02	15		SET		NO ACK	NO	2				

CENTER-SYSTEM HOLIDAYS IN AUGUST

SUN	MON	TU	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

CUSTOMER HOLIDAYS IN AUGUST

SUN	MON	TU	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FIG.34

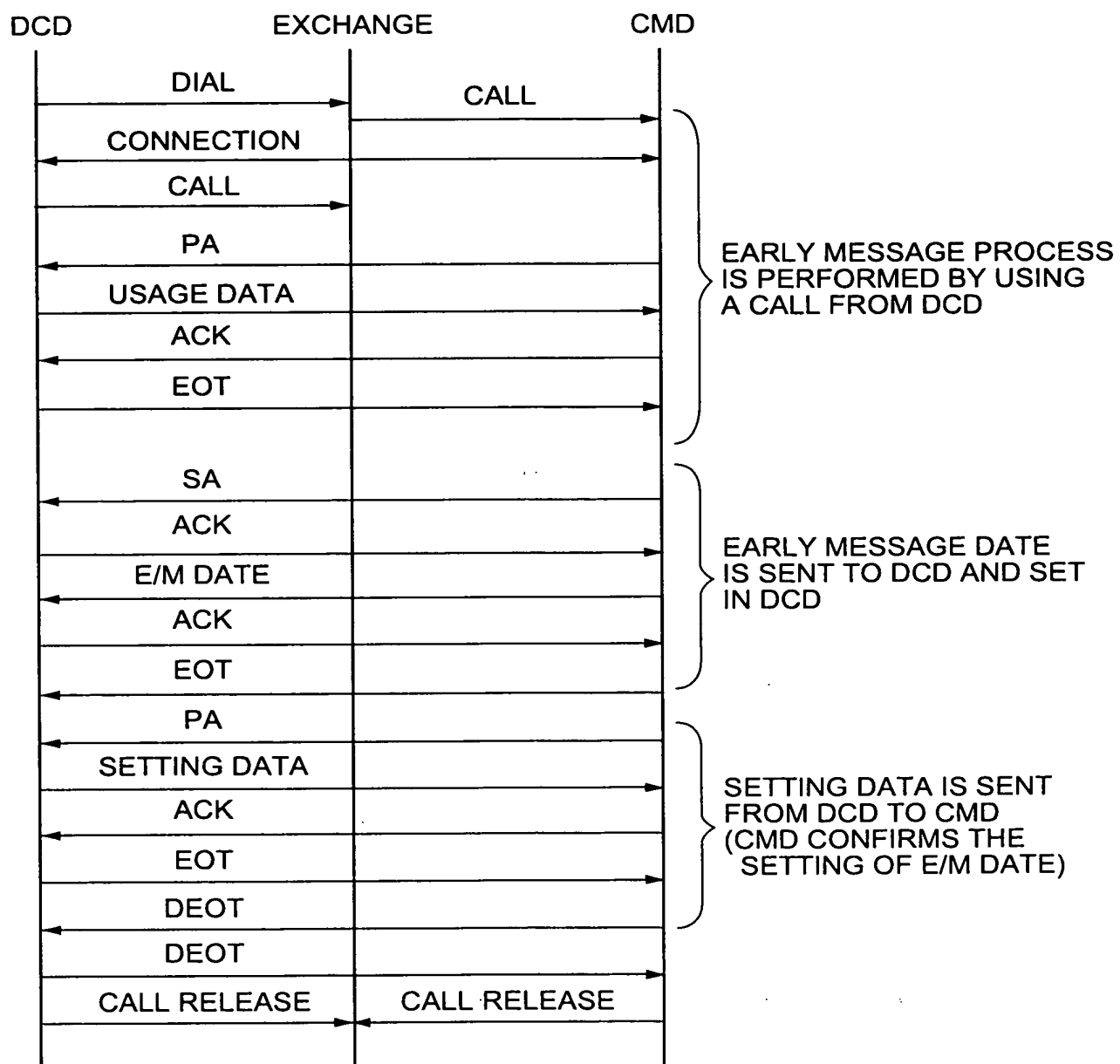


FIG. 35

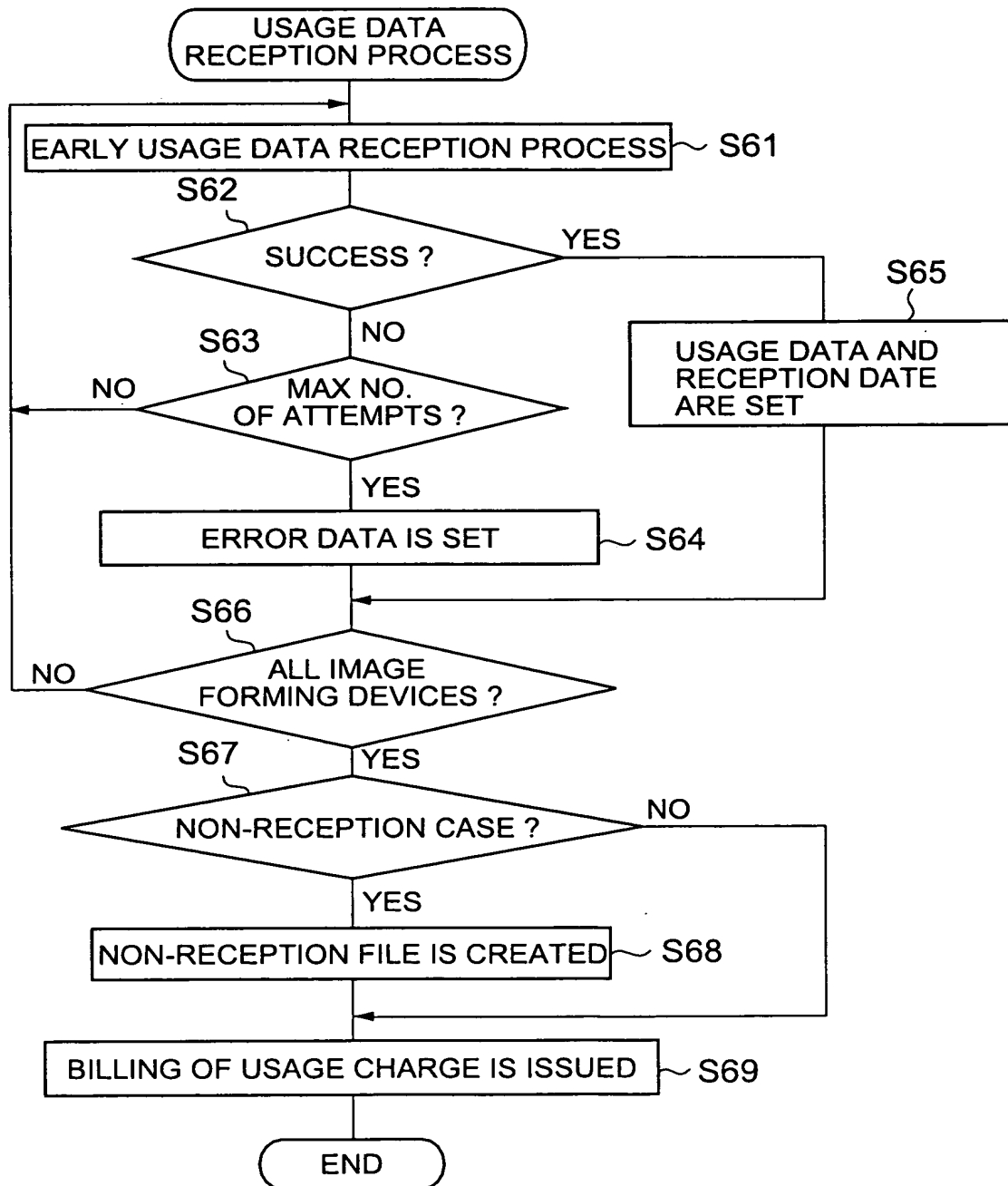


FIG. 36A

CALL MANAGEMENT TABLE

ITEM	CONTENTS
CALL DESTINATION	03-1234-4567
MAX NO.OF CALLS	10
CALLING INTERVAL (SEC)	65
NO. OF CALL EVENTS	6

FIG. 36B

ERROR LOG

ERROR NAME	ERROR CODE
NO ACK	0-23
BUSY STATE	0-24
:	:

FIG. 37

SYN	SOH	SN	STX	ID CODE	MESSAGE CODE	TEXT DATA	ETX	LRC
-----	-----	----	-----	------------	-----------------	-----------	-----	-----

FIG. 38

INTERNAL CLOCK DATA

YEAR	MONTH	DAY	HOUR	MINUTE
2000	08	10	08	30

FIG. 39

PARAMETER NAME	NO. OF DIGITS	REMARKS
SC/MC CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
ALARM CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
SUPPLY CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
USAGE-DATA CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
DEVICE-CODE-0 CONVERT TABLE	17	
DEVICE-CODE-1 CONVERT TABLE	17	
DEVICE-CODE-2 CONVERT TABLE	17	
DEVICE-CODE-3 CONVERT TABLE	17	
DEVICE-CODE-4 CONVERT TABLE	17	
DEVICE-CODE-0 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-1 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-2 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-3 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-4 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-0 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-0 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-0 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-1 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-1 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-1 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-2 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-2 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-2 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-3 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-3 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-3 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-4 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-4 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-4 EARLY M DATE3	4	MONTH/DAY 0101-1231
ALARM CALL TIME	4	0000-2359
USAGE-DATA CALL TIME	4	0000-2359
USAGE-DATA RECEPTION TIME	4	0000-2359
EXCHANGE TYPE	1	1:10PPS,2:20PPS,OTHERS:PB

FIG. 41

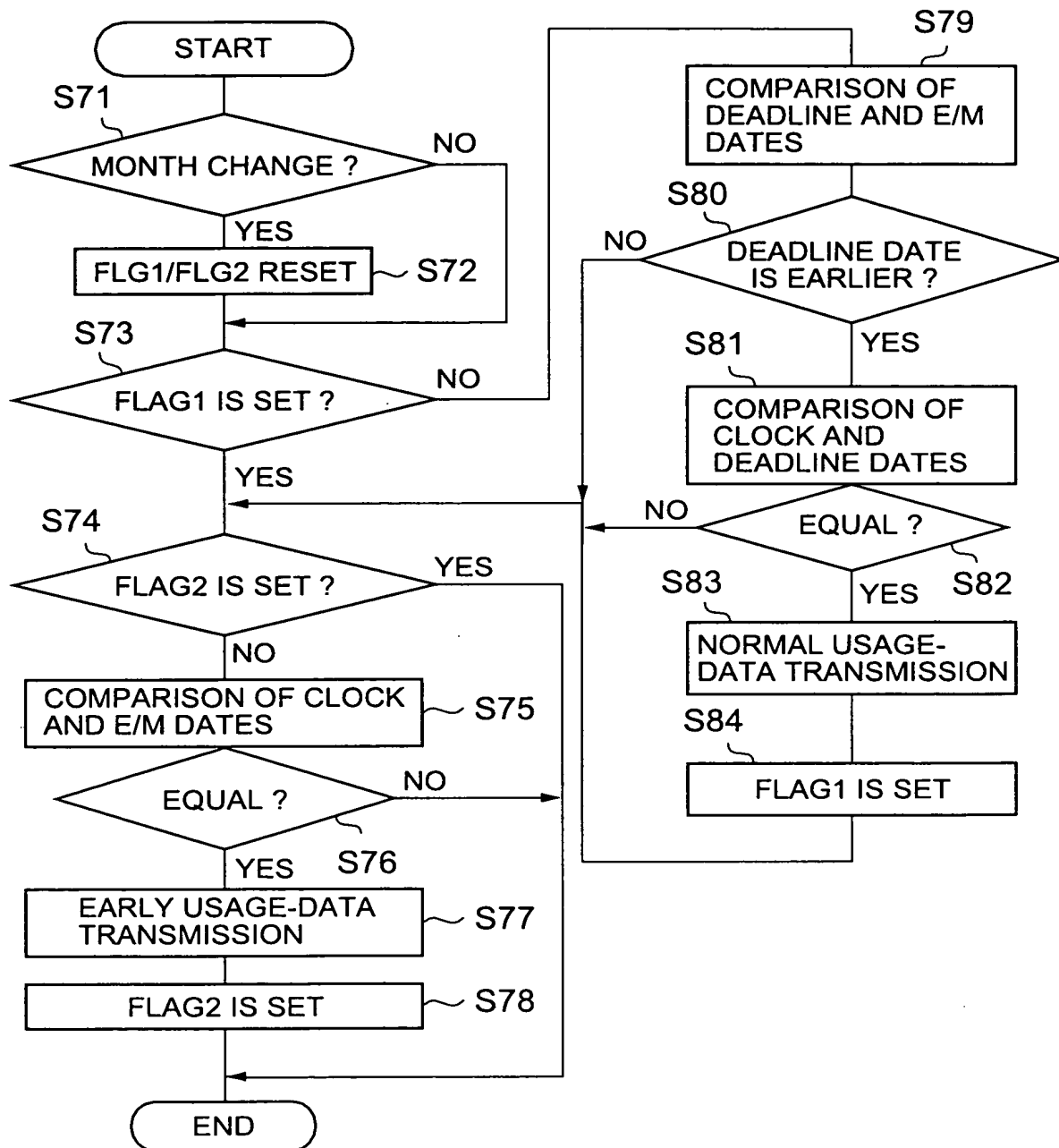


FIG. 42

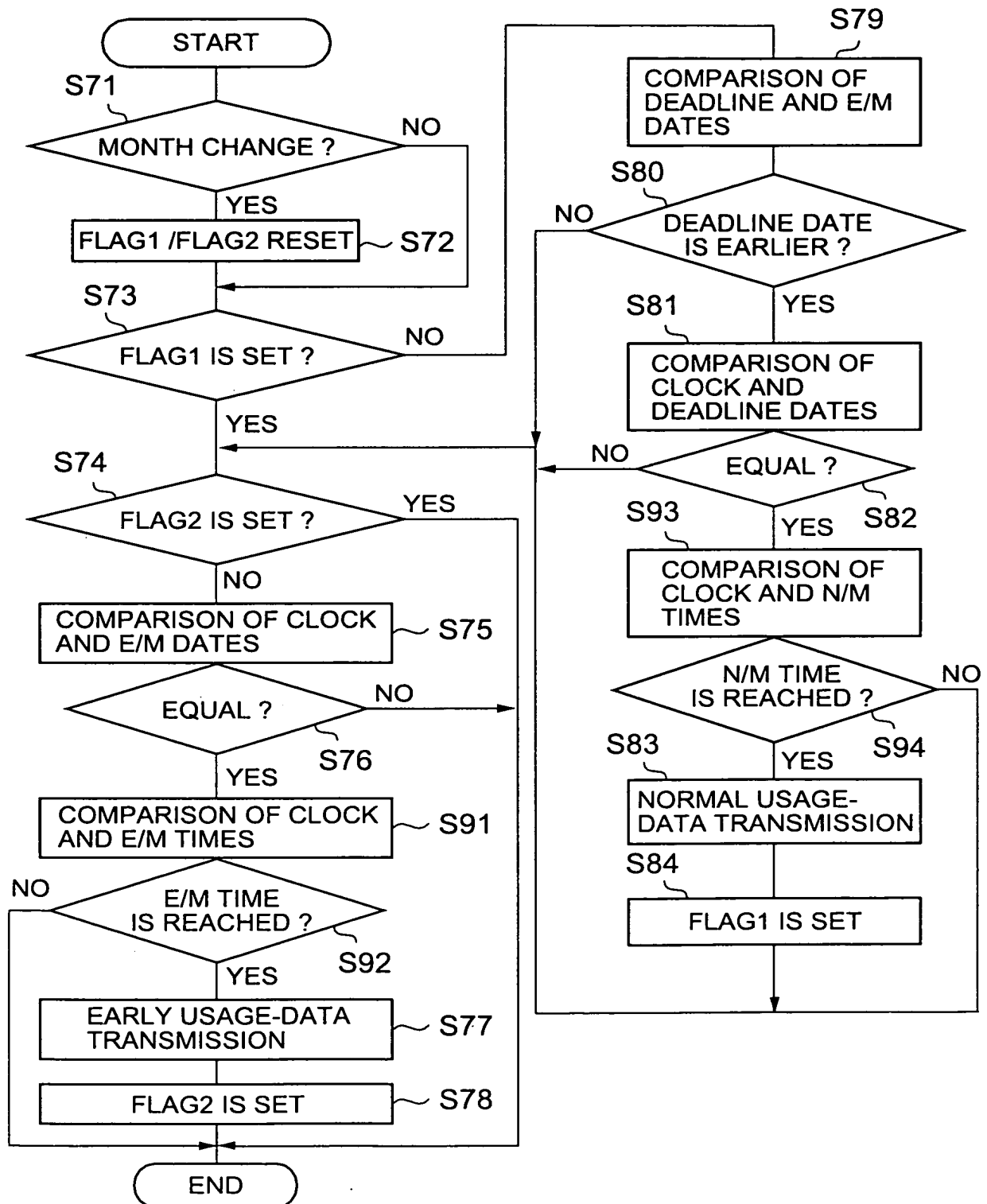


FIG.45

HOLIDAY1	START MONTH/DAY:12/26 END MONTH/DAY:01/07
HOLIDAY2	START MONTH/DAY:04/29 END MONTH/DAY:05/07
HOLIDAY3	START MONTH/DAY:08/12 END MONTH/DAY:08/20

TRANSMIT

FIG.46

DATA FORMAT OF CUSTOMER HOLIDAY DATA

SYN	SOH	SN	STX	TEXT DATA	ETX	LRC
ID CODE	:	MESSAGE CODE	:	12260107	04290507	08120820

HOLIDAY1 START DATE AND END DATE
HOLIDAY2 START DATE AND END DATE
HOLIDAY3 START DATE AND END DATE

FIG.47

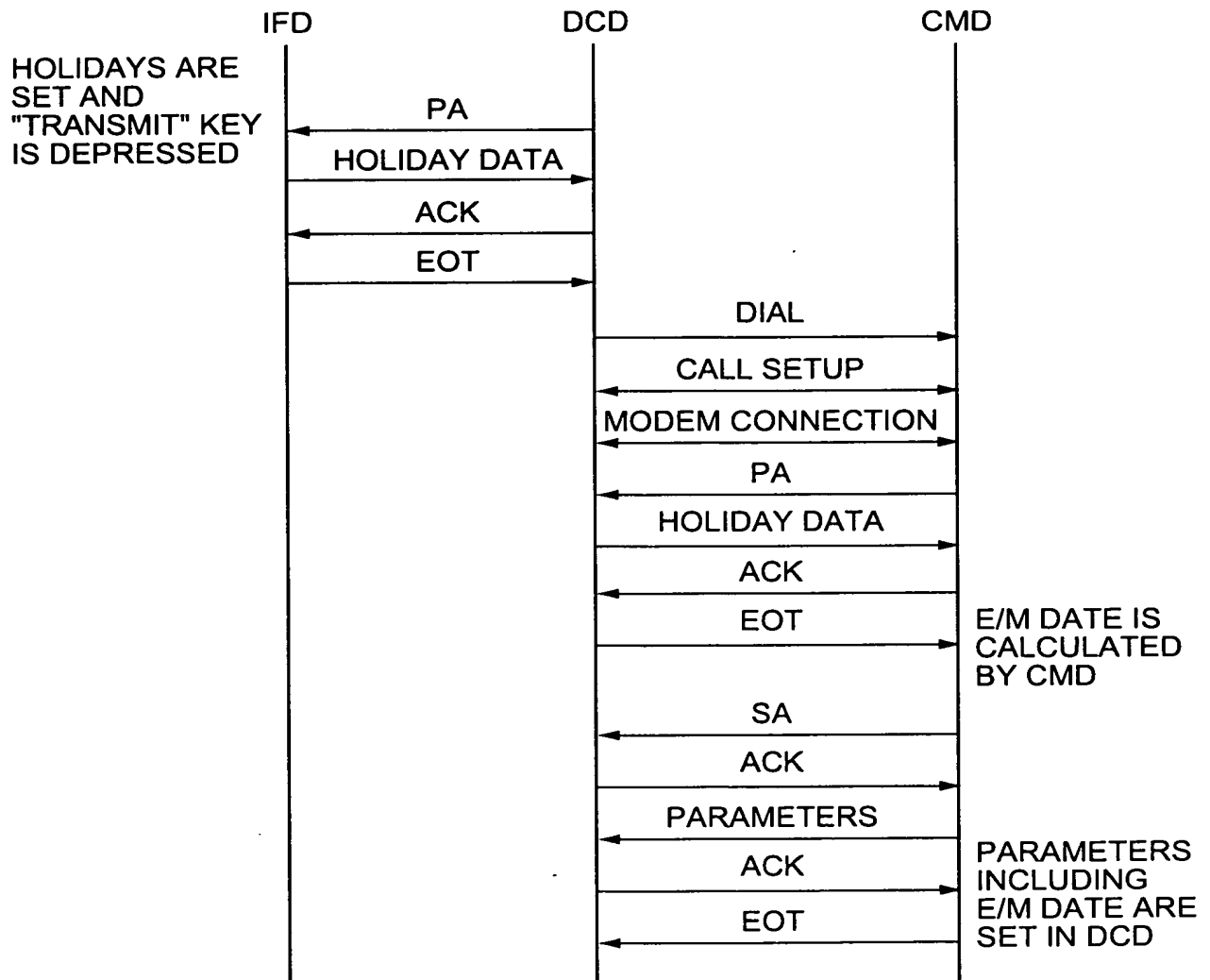


FIG. 48

DATA FORMAT OF CENTER-SYSTEM HOLIDAY DATA

SYN	SOH	SN	STX	TEXT DATA	ETX	LRC
-----	-----	----	-----	-----------	-----	-----

ID CODE	:	MESSAGE CODE	:	12260106	04290506	08120820
------------	---	-----------------	---	----------	----------	----------

HOLIDAY1 START DATE AND END DATE
HOLIDAY2 START DATE AND END DATE
HOLIDAY3 START DATE AND END DATE

Model	Year	Model	Year	Model	Year	Model	Year
1990	1991	1992	1993	1994	1995	1996	1997

FIG. 50

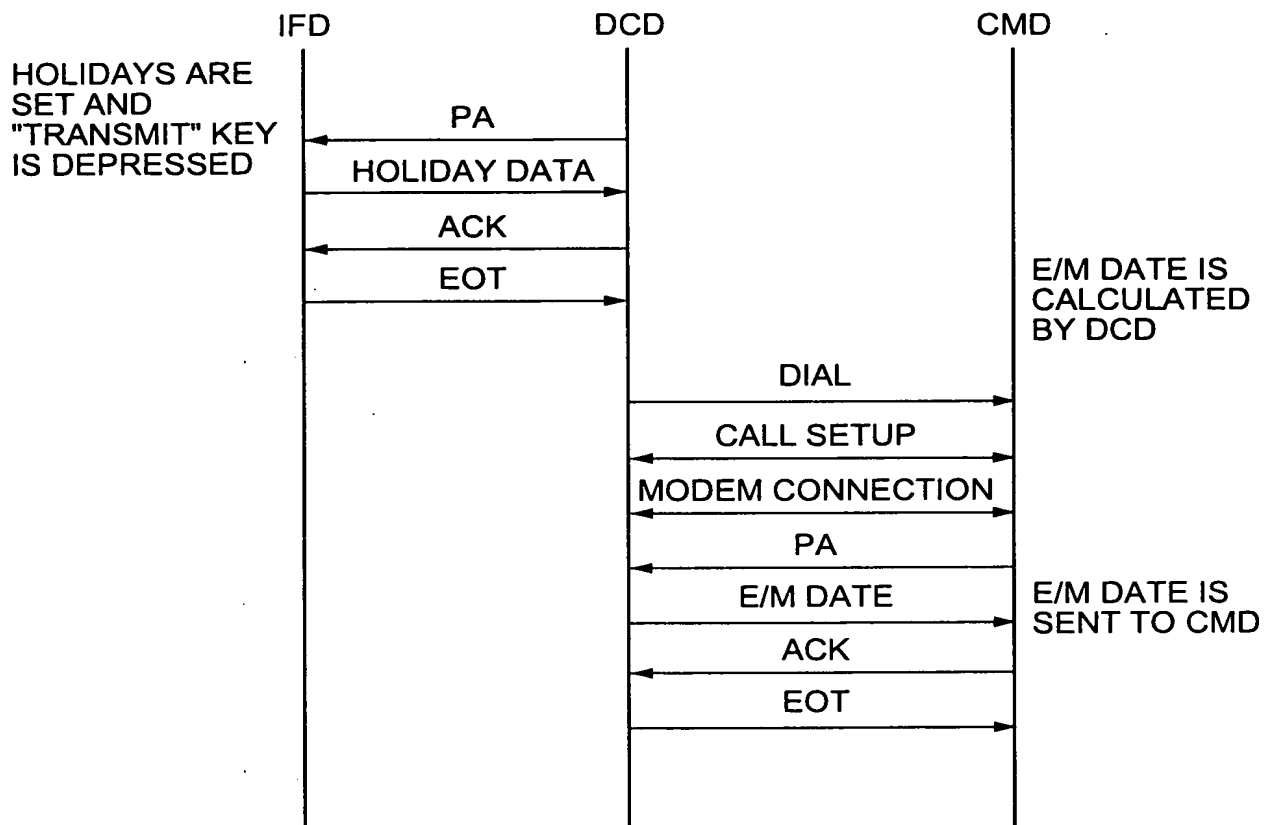
[illegible]

FIG. 51

